

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT U.S. PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 1843.0120001/EKS/AJK	APPLICATION NO. 10/809,790
		APPLICANT(S) Zauderer et al.	FILING DATE March 26, 2004

OCT 21 2004
U.S. PATENT AND TRADEMARK OFFICE

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
MD	AAI	5,635,363	06/03/1997	Altman et al.			02/28/1995
MD	ABI	6,015,884	01/18/2000	Schneck et al.			03/28/1997
MD	ACI	6,248,564	06/19/2001	Walter et al.			08/29/1997
MD	ADI	2002/0051783	05/02/2002	Savage			06/08/2001
MD	AEI	2002/0123108	09/05/2002	Edwards et al.			12/01/1995
MD	AFI	2002/0155447	10/24/2002	Zauderer et al.			04/04/2001
MD	AGI	6,548,067	04/15/2003	Seeman et al.			06/02/1995
MD	AHI	2003/0166277	09/04/2003	Zauderer et al.			04/12/2001
MD	AII	6,682,741	01/27/2004	Ribaudo et al.			03/19/2001
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
MD	ALI	WO 94/25610	11/10/1994	WIPO			Yes
MD	AMI	WO 99/64597	12/16/1999	WIPO			No
MD	ANI	GB 2 339 782	02/09/2000	Great Britain			Yes
MD	AOI	WO 01/44296	06/21/2001	WIPO			No
MD	API	WO 04/029206	04/08/2004	WIPO			Yes
							No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

MD	AR	1	Altman, J.D., et al., "Phenotypic Analysis of Antigen-Specific T Lymphocytes," <i>Science</i> 274:94-96, American Association for the Advancement of Science (1996)
MD	AS	1	Bedzyk, W.D., et al., "Immunological and Structural Characterization of a High Affinity Anti-fluorescein Single-Chain Antibody," <i>J. Biol. Chem.</i> 265:18615-18620, American Society for Biochemistry and Molecular Biology, Inc. (1990)
MD	AT	1	Boniface, J.J., et al., "Initiation of Signal Transduction through the T Cell Receptor Requires the Peptide Multivalent Engagement of MHC Ligands," <i>Immunity</i> 9:459-466, Cell Press (1998)

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Marie D.

DATE CONSIDERED

5/19/04

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	AL						Yes
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	AN						Yes
	AO						No
	AP						Yes
							No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>MD</i>	AR	2	Burrows, G.G., <i>et al.</i> , "Two-Domain MHC Class II Molecules Form Stable Complexes with Myelin Basic Protein 69-89 Peptide That Detect and Inhibit Rat Encephalitogenic T Cells and Treat Experimental Autoimmune Encephalomyelitis," <i>J. Immunol.</i> 161: 5987-5996, American Association of Immunologists (1998)
<i>MD</i>	AS	2	Casares, S., <i>et al.</i> , "Antigen-specific Signaling by a Soluble, Dimeric Peptide/Major Histocompatibility Complex Class II/Fc Chimera Leading to T Helper Cell Type 2 Differentiation," <i>J. Exp. Med.</i> 190:543-553, Rockefeller University Press (1999)
<i>MD</i>	AT	2	Cochran, J.R., <i>et al.</i> , "The Relationship of MHC-Peptide Binding and T Cell Activation Probed Using Chemically Defined MHC Class II Oligomers," <i>Immunity</i> 12:241-250, Cell Press (2000)

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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>MJ</i>	AR	<u>3</u>	Dal Porto, J., et al., "A Soluble divalent class I major histocompatibility complex molecule inhibits alloreactive T cells at nanomolar concentrations," <i>Proc. Natl. Acad. Sci. USA</i> 90:6671-6675, National Academy of Sciences (1993)
<i>MJ</i>	AS	<u>3</u>	Glick, M., et al., "Novel CD8 ⁺ T Cell Antagonists Based on β_2 -Microglobulin," <i>J. Biol. Chem.</i> 277:20840-20846, American Society for Biochemistry and Molecular Biology, Inc. (June 2002)
<i>MJ</i>	AT	<u>3</u>	Greten, T.F., et al., "Direct visualization of antigen-specific T cells: HTLV-1 Tax11-19-specific CD8 ⁺ T cells are activated in peripheral blood and accumulate in cerebrospinal fluid from HAM/TSP patients," <i>Proc. Natl. Acad. Sci. USA</i> 95:7568-7573, National Academy of Sciences (1998)

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Dr. Maria R.

DATE CONSIDERED

5/19/07

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
<i>MD</i>	AR	4	Hamad, A.R.A., et al., "Potent T Cell Activation with Dimeric Peptide-Major Histocompatibility Complex Class II Ligand: The Role of CD4 Coreceptor," <i>J. Exp. Med.</i> 188:1633-1640, Rockefeller University Press (1998)				
<i>NW</i>	AS	4	Hebert, A.M., et al., "Kinetics and Thermodynamics of β 2-Microglobulin Binding to the α 3 Domain of Major Histocompatibility Complex Class I Heavy Chain," <i>Biochem.</i> 40:5233-5242, American Chemical Society (2001)				
<i>DMR</i>	AT	4	Hochman, J.H., et al., "Specific Associations of Fluorescent β -2-Microglobulin with Cell Surfaces. The Affinity of Different H-2 and HLA Antigens for β -2-Microglobulin," <i>J. Immunol.</i> 140:2322-2329, American Association of Immunologists (1988)				
EXAMINER <i>Omari R</i>					DATE CONSIDERED <i>5/19/08</i>		
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
<i>MD</i>	AR	<u>5</u>	Morrison, S.L., et al., "Production and Characterization of Genetically Engineered Antibody Molecules," <i>Clin. Chem.</i> 34:1668-1675, American Association For Clinical Chemistry (1988)				
<i>MD</i>	AS	<u>5</u>	Mottez, E., et al., "Cells Expressing a Major Histocompatibility Complex Class I Molecule with a Single Covalently Bound Peptide Are Highly Immunogenic," <i>J. Exp. Med.</i> 181:493-502, Rockefeller University Press (1995)				
<i>MD</i>	AT	<u>5</u>	Parham, P., et al., "Carbohydrate Moiety of HLA Antigens. Antigenic Properties and Amino Acid Sequences Around the Site of Glycosylation," <i>J. Biol. Chem.</i> 252:7555-7567, American Society for Biochemistry and Molecular Biology, Inc. (1977)				
EXAMINER <i>Marvin R.</i>				DATE CONSIDERED <i>5/19/05</i>			
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	AN						Yes
	AO						No
	AP						Yes
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
<i>MJ</i>	AR	<u>6</u>	Parker, K.C., and Strominger, J.L., "Subunit Interactions of Class I Histocompatibility Antigens," <i>Biochem.</i> 24:5543-5550, American Chemical Society (1985)				
<i>MJP</i>	AS	<u>6</u>	Penichet, M.L., <i>et al.</i> , "An Antibody-Avidin Fusion Protein Specific for the Transferrin Receptor Serves as a Delivery Vehicle for Effective Brain Targeting: Initial Applications in Anti-HIV Antisense Drug Delivery to the Brain," <i>J. Immunol.</i> 163:4421-4426, American Association of Immunologists (1993)				
<i>WJ</i>	AT	<u>6</u>	Salter, R.D., <i>et al.</i> , "A binding site for the T-cell co-receptor CD8 on the α_3 domain of HLA-A2," <i>Nature</i> 345:41-46, Nature Publishing Group (1990)				
EXAMINER <i>Marina R</i>				DATE CONSIDERED <i>5/19/05</i>			
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	AP						Yes
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>MJ</i>	AR	7	Schmitt, L., et al., "Catalysis of peptide dissociation from class II MHC-peptide complexes," <i>Proc. Natl. Acad. Sci. USA.</i> 96:6581-6586, National Academy of Sciences (1999)
<i>MJ</i>	AS	7	Shin, S-U., and Morrison, S.L., "Production and Properties of Chimeric Antibody Molecules," <i>Methods Enzymol.</i> 178:459-476, Academic Press (1989)
<i>MJ</i>	AT	7	Shin, S-U., et al., "Functional and Pharmacokinetic Properties of Antibody-Avidin Fusion Proteins," <i>J. Immunol.</i> 158:4797-4804, American Association of Immunologists (1997)

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	AO						No
	AP						Yes
							No
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<i>MW</i>	AR	<u>8</u>	Sidney, J. <i>et al.</i> , "Practical, biochemical and evolutionary implications of the discovery of HLA class I supermotifs," <i>Immunol. Today</i> 17:261-266, Elsevier Science (1996)				
<i>MW</i>	AS	<u>8</u>	Sidney, J., <i>et al.</i> , "Majority of Peptides Binding HLA-A*0201 With High Affinity Crossreact With Other A2-Supertype Molecules," <i>Hum. Immunol.</i> 62:1200-1216, Elsevier/North-Holland (2001)				
<i>RW</i>	AT	<u>8</u>	Springer, T.A., and Strominger, J.L., "Detergent-soluble HLA antigens contain a hydrophilic region at the COOH-terminus and a penultimate hydrophobic region," <i>Proc. Natl. Acad. Sci. USA</i> 73:2481-2485, National Academy of Sciences (1976)				
EXAMINER <i>Marianne D.</i>				DATE CONSIDERED <i>5/19/07</i>			
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<i>W</i>	AR	9	Turner, M.J., et al., "Purification of Papain-solubilized Histocompatibility Antigens from a Cultured Human Lymphoblastoid Line, RPMI 4265," <i>J. Biol. Chem.</i> 250:4512-4519, American Society for Biochemistry and Molecular Biology, Inc. (1975)
<i>MD</i>	AS	9	Whitman, M.C., et al., "The isolated major histocompatibility complex class I α 3 domain binds β 2m and CD8aa dimers," <i>Mol. Immunol.</i> 37:141-149, Pergamon Press (2000)
<i>W</i>	AT	9	Zarutskie, J.A., et al., "A Conformational Change in the Human Major Histocompatibility Complex Protein HLA-DR1 Induced by Peptide Binding," <i>Biochem.</i> 38:5878-5887, American Chemical Society (1999)

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	AP						Yes
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

MD	AR	<u>10</u>	U.S. Patent Application No. 10/887,230, Zauderer, M., filed July 9, 2004 (NOT PUBLISHED)
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